

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/139,386

DATE: 09/08/98
TIME: 15:43:36

INPUT SET: S28433.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

(1) General Information:

(i) APPLICANT: Monforte, Joseph A.
Becker, Christopher H.
Shaler, Thomas A.
Pollart, Daniel J.

(ii) TITLE OF INVENTION: OLIGONUCLEOTIDE SIZING USING CLEAVABLE
PRIMERS

(iii) NUMBER OF SEQUENCES: 19

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Arnold, White & Durkee
(B) STREET: P.O. Box 4433
(C) CITY: Houston
(D) STATE: TX
(E) COUNTRY: USA
(F) ZIP: 77210-4433

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US Unknown
(B) FILING DATE: Concurrently Herewith
(C) CLASSIFICATION: Unknown

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/639,363
(B) FILING DATE: 26-APR-1996

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/445,751
(B) FILING DATE: 22-MAY-1995

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Sertich, Gary J.
(B) REGISTRATION NUMBER: 34,430
(C) REFERENCE/DOCKET NUMBER: GETR:031

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47 (ix) TELECOMMUNICATION INFORMATION:

48 (A) TELEPHONE: (512)418-3000

49 (B) TELEFAX: (512)474-7577

50

51

52 (2) INFORMATION FOR SEQ ID NO:1:

53

54 (i) SEQUENCE CHARACTERISTICS:

55 (A) LENGTH: 16 base pairs

56 (B) TYPE: nucleic acid

57 (C) STRANDEDNESS: single

58 (D) TOPOLOGY: linear

59

60 (ii) MOLECULE TYPE: DNA (genomic)

61

62

63 (ix) FEATURE:

64 (A) NAME/KEY: misc_feature

65 (B) LOCATION: 9..10

66 (D) OTHER INFORMATION: /note= "sequence contains
67 phosphoramidate bond between nucleotides 9 and 10"

68

69

70 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

71

72 TTCATGCAAT CCGATG

16

73

74 (2) INFORMATION FOR SEQ ID NO:2:

75

76 (i) SEQUENCE CHARACTERISTICS:

77 (A) LENGTH: 20 base pairs

78 (B) TYPE: nucleic acid

79 (C) STRANDEDNESS: single

80 (D) TOPOLOGY: linear

81

82 (ii) MOLECULE TYPE: DNA (genomic)

83

84

85 (ix) FEATURE:

86 (A) NAME/KEY: misc_feature

87 (B) LOCATION: 16..17

88 (D) OTHER INFORMATION: /note= "primer containing a first
89 region with an immobilization attachment site, a cleavable site
90 "x" between nucleotides 16 and 17"

91

92

93 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

94

95 ACTCCTGTGG AGAACTCTGC

20

96

97 (2) INFORMATION FOR SEQ ID NO:3:

98

99 (i) SEQUENCE CHARACTERISTICS:

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100 (A) LENGTH: 20 base pairs
101 (B) TYPE: nucleic acid
102 (C) STRANDEDNESS: single
103 (D) TOPOLOGY: linear
104
105 (ii) MOLECULE TYPE: DNA (genomic)
106
107
108
109
110 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
111
112 GCAGAGTTCT CCACAGGAGT
113
114 (2) INFORMATION FOR SEQ ID NO:4:
115
116 (i) SEQUENCE CHARACTERISTICS:
117 (A) LENGTH: 16 base pairs
118 (B) TYPE: nucleic acid
119 (C) STRANDEDNESS: single
120 (D) TOPOLOGY: linear
121
122 (ii) MOLECULE TYPE: DNA (genomic)
123
124
125
126
127 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
128
129 ACTCCTGTGG AGAACT
130
131 (2) INFORMATION FOR SEQ ID NO:5:
132
133 (i) SEQUENCE CHARACTERISTICS:
134 (A) LENGTH: 19 base pairs
135 (B) TYPE: nucleic acid
136 (C) STRANDEDNESS: single
137 (D) TOPOLOGY: linear
138
139 (ii) MOLECULE TYPE: DNA (genomic)
140
141
142
143
144 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
145
146 ACCATCGACG AGAAAGGGA
147
148 (2) INFORMATION FOR SEQ ID NO:6:
149
150 (i) SEQUENCE CHARACTERISTICS:
151 (A) LENGTH: 7 amino acids
152 (B) TYPE: amino acid

20

16

19

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153 (C) STRANDEDNESS:
154 (D) TOPOLOGY: linear
155
156 (ii) MOLECULE TYPE: protein
157
158
159
160
161 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
162
163 Thr Ile Asp Glu Lys Gly Thr
164 1 5
165
166 (2) INFORMATION FOR SEQ ID NO:7:
167
168 (i) SEQUENCE CHARACTERISTICS:
169 (A) LENGTH: 19 base pairs
170 (B) TYPE: nucleic acid
171 (C) STRANDEDNESS: single
172 (D) TOPOLOGY: linear
173
174 (ii) MOLECULE TYPE: DNA (genomic)
175
176
177
178
179 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
180
181 ACCATCGACA AGAAAGGGA
182
183 (2) INFORMATION FOR SEQ ID NO:8:
184
185 (i) SEQUENCE CHARACTERISTICS:
186 (A) LENGTH: 7 amino acids
187 (B) TYPE: amino acid
188 (C) STRANDEDNESS:
189 (D) TOPOLOGY: linear
190
191 (ii) MOLECULE TYPE: protein
192
193
194
195
196 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
197
198 Thr Ile Asp Lys Lys Gly Thr
199 1 5
200
201 (2) INFORMATION FOR SEQ ID NO:9:
202
203 (i) SEQUENCE CHARACTERISTICS:
204 (A) LENGTH: 19 base pairs
205 (B) TYPE: nucleic acid

19

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206 (C) STRANDEDNESS: single
207 (D) TOPOLOGY: linear
208
209
210
211 (ix) FEATURE:
212 (A) NAME/KEY: misc_feature
213 (B) LOCATION: 7..15
214 (D) OTHER INFORMATION: /note= "N = G, A, C or T"
215
216
217 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
218
219 ACGACANCCA TGCANCACC 19
220
221 (2) INFORMATION FOR SEQ ID NO:10:
222
223 (i) SEQUENCE CHARACTERISTICS:
224 (A) LENGTH: 17 base pairs
225 (B) TYPE: nucleic acid
226 (C) STRANDEDNESS: single
227 (D) TOPOLOGY: linear
228
229 (ii) MOLECULE TYPE: DNA (genomic)
230
231
232 (ix) FEATURE:
233 (A) NAME/KEY: misc_feature
234 (B) LOCATION: 9..10
235 (D) OTHER INFORMATION: /note= "probe contains a cleavable
236 ribose at position 10 from 5' end (position 7 from 3' end)"
237
238
239 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
240
241 AAATACATCG CTTGAAC 17
242
243 (2) INFORMATION FOR SEQ ID NO:11:
244
245 (i) SEQUENCE CHARACTERISTICS:
246 (A) LENGTH: 18 base pairs
247 (B) TYPE: nucleic acid
248 (C) STRANDEDNESS: single
249 (D) TOPOLOGY: linear
250
251 (ii) MOLECULE TYPE: DNA (genomic)
252
253
254 (ix) FEATURE:
255 (A) NAME/KEY: misc_feature
256 (B) LOCATION: 9..10
257 (D) OTHER INFORMATION: /note= "18-mer is biotinylated at
258 5' end and contains a ribose at position 10 from 5' end"

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SEQUENCE VERIFICATION REPORT
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DATE: 09/08/98
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Line	Error	Original Text
30	Wrong application Serial Number	(A) APPLICATION NUMBER: US Unknown
32	Wrong Classification	(C) CLASSIFICATION: Unknown